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STANDARD OPERATING PROCEDURE
Instructions for Rinsing Surface Water Sampling Containers

KEYWORDS-
Rinse; cross-contamination; cleaning

APPROVALS

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1 .O INTRODUCTION

1 .I Purpose

To ensure effective cleaning of surface water collection containers to prevent cross-contamination.

1.2 Scope

This document will provide specific instructions for rinsing surface water collection containers in the field. Rinsing may be conducted in the field when the containers are used at more than one site per day.

1.3 Definitions

1.3.1 Native rinse refers to collecting water from the same source as the intended sample prior to sampling, for use as a rinse of the collection containers. The purpose is to further remove trace residues of any constituent in the containers including drops of deionized water.

2.0 MATERIALS

2.1 Surface water collection containers (e.g. Teflon@ bottle, Teflon@ spout, Stainless steel buckets, funnel, stainless steel milkcan)
2.2 Latex, disposable gloves
2.3 Deionized (DI) water (10 or more liters)
2.4 Large Plastic Bags

3.0 PROCEDURES

3.1 Place one or two plastic bags on the ground to provide a clean working location.

3.2 While wearing disposable gloves, rinse the surface water collection containers that will be used at more than one site by pouring a minimum of 2 L of deionized water into one of the containers used. For example, pour 2L of deionized water into the Teflon' bottle. **Then swirl the water to wash out residues. Next put the Teflon@ spout on the** bottle and shake to clean residues off the inside of the spout, then pour that water through the spout into the next piece of equipment (such as a bucket), and again swirl

the water and pour into another piece of equipment. This continues through all the equipment and ends by discarding the water on the ground.

3.3 This process is completely repeated from start to finish three times, each time with new, uncontaminated deionized water, using a minimum of 2L with each rinse.

3.4 Cover all containers with clean plastic bags immediately after rinsing.

3.5 Do a native rinse prior to collecting the next sample using a similar volume of water as that collected for the sample.